BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

*NAME OF WORK:- Road Widening and Improvements to Roads from Mariyannapalya to Coffe board layout in ward No. 7 Byatarayanpura, Kodigehalli sub division*

ESTIMATED COST 3000000.00

| Sl No | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate in Rs | Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Removing BS Slab of drain and stacking. (P.No.25, I.No.5.32 of PW,P&IWTD S.R 2014-15) | | | | | | Sqm | | |
| | cross road | | 1 | 200 | 1.65 | | 330 | | |
| | | | | | | | **330.00** | 58.32 | **19246.00** |
| | Basic Rate Rs. | 54.00 | | | | | | | |
| | Add 8% A.W Rs. | 4.32 | | | | | | | |
| | **Total Rate Rs.** | **58.32** | | | | | | | |
| 4 | KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.138, I.No.19.1 of PW,P&IWTD S.R 2014-15) For Drains | | | | | | Cum | | |
| | cross road | | 1 | 350 | 2.50 | 0.10 | 875.00 | | |
| | | | 1 | 200 | 2.00 | 0.10 | 40.00 | | |
| | | | | | | | **915.00** | 75.60 | **69174.00** |
| | Basic Rate Rs. | 70.00 | | | | | | | |
| | Add 8% A.W Rs. | 5.60 | | | | | | | |
| | **Total Rate Rs.** | **75.60** | | | | | | | |
| 5 | KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications.MORTH Specification No. 305.4.3 (P-144, Item No. 19.58 SR 2014-15) | | | | | | **Sqm** | | |
| | cross road | | 1 | 350 | 2.50 | 0.10 | 87.50 | | |
| | | | 1 | 200 | 2.00 | 0.10 | 40.00 | | |
| | | | | | | | **127.50** | **18.36** | **2341.00** |
| | Basic Rate Rs. | 17.00 | | | | | | | |
| | Add 8% A.W Rs. | 1.36 | | | | | | | |
| | Total Rate Rs. | 18.36 | | | | | | | |
| 6 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (145, I.No. 19.64) | | | | | | **Sqm** | | |
| | cross road | | 1 | 350 | 2.50 | | 875.00 | | |
| | | | 1 | 200 | 2.00 | | 400.00 | | |
| | | | | | | | **1275.00** | **4.48** | **5715.00** |
| | **Basic Rate** | **4.15** | | | | | | | |
| | **Area Weightage @ 8%** | **0.33** | | | | | | | |
| | **Total** | **4.48** | | | | | | | |
| 7 | KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 154, Item No. 20.18) | | | | | | **Cum** | | |
| | cross road | | 1 | 350 | 2.50 | 0.10 | 87.50 | | |
| | | | 1 | 200 | 2.00 | 0.10 | 40.00 | | |
| | | | | | | | **127.50** | **1438.56** | **183416.00** |
| | Basic Rate Rs. | 1332.00 | | | | | | | |
| | Add 8% A.W Rs. | 106.56 | | | | | | | |
| | **Total Rate Rs.** | **1438.56** | | | | | | | |

Recommended for approval for Rs 30.00 L

Thirty lakhs Only

Recommended under Rule P-1771

Registered as EE No:...../.....Subject to conditions contained enclosed memo.

No:...../.....Dt.....

AE/JE

EE (BTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.....

Rupees 30.00 Lks

Thirty lakhs only

Under

P-1771

Registered as EE ( ) No ..... 3.....9.....

Subject to conditions contained in enclosed memo EE ( ) No ..... /9/....

Dt ..... Estimate A/C sanctioned

Adcl/yLk/AS/1135/14-15

dated ..... Rs. 30.00 Lks

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 08 | KSRB 4-1.2: Providing and laying in position plain cement concrete of l mix M10 With C cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2014-15 | | | | | | | |
| | | | | | | | Cum | |
| | cross road | | 1 | 350 | 2.50 | 0.15 | 131.25 | |
| | | | 1 | 200 | 2.00 | 0.15 | 60.00 | |
| | | | | | | | 191.25 | 5064.12 968513.00 |
| | Basic Rate | 4689.00 | | | | | | |
| | Area Weightage @ 8% | 375.12 | | | | | | |
| | Total | **5064.12** | | | | | | |
| 09 | KProviding and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) ( P. 18, I.No. 4.49.1) SR-2014-15 | | | | | | | |
| | | | | | | | Cum | |
| | cross road | | 1 | 350 | 2.50 | 0.15 | 131.25 | |
| | | | 1 | 230 | 2.00 | 0.15 | 69.00 | |
| | | | | | | | **200.25** | 5847.12 **1170886.00** |
| | Basic Rate | 5414.00 | | | | | | |
| | Area Weightage @ 8% | 433.12 | | | | | | |
| | Total | **5847.12** | | | | | | |
| 10 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km ( Page No.141) | | | | | | | |
| | | | | | | | Cum | |
| | Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 | | | | | | | |
| | Average weight of earth 1.28 tonne | | Qty vide Item No.4+11 | | | | **476.00** | 72.71 **34610.00** |
| | Basic Tate Lead Charges upto 2.00 Kms | 62.20 | | | | | | |
| | 2x1.28x2 = | 5.12 | | | | | | |
| | Loading and unloading | 67.32 | | | | | | |
| | Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00 | 5.39 | | | | | | |
| | | **72.71** | | | | | | |
| 11 | Providing JCB Per DAY Pg no : xxxxvi i.no : 23 PWD SR 2014-15 | | | | | | | |
| | Basic Rate | 6720 PD | 41 | | | | 41.00 | 6720.00 **275520.00** |
| 12 | Engaging Tracter 50HP Pg no : xxxxvii, i.no : 38 PWD SR 2014-15 | | | | | | | |
| | Basic Rate | 280PhX8Hr PD | 2240 | 55days | | | 55.00 | 2240.00 **123200.00** |
| 13 | Engaing of Labour Pg no L1V, i.no : 5 PWD SR 2014-15 | | | | | | | |
| | Basic Rate | 223.93 Pd | 10X5 | 500 | | | 500.00 | 223.93 **111965.00** |
| | | | | | | | | **2964586.00** |
| 14 | Inspection charges 1% | | | | | | | **29645.86** |
| 20 | Miscelleneous & Rounding off | | | | | | | **5768.14** |
| | | | | | | | **Toatl Rs.** | **3000000.00** |

(Rupees:- Thirty Lakhs Only)

**CERTIFICATE:**

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2014-2015
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division

Executive Engineer
Byatarayanapura Division